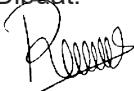


|                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>PT. MERSIFARMA TM<br>SUKABUMI-INDONESIA                                                                                                                                                                                                                                                                          | <div> <div> <b>FORMULIR LATAR BELAKANG<br/> PERMINTAAN BARANG<br/> HABIS PAKAI</b> </div> <div> <b>DEPARTEMEN: R&amp;D</b> </div> </div>                                                                                                                                                                                                                                                       | Diisi oleh Pemohon<br><br>No. : <u>225</u> /LBPBHP/XI /20 <u>25</u>                                                                                                   |
| Nama Barang Habis Pakai:<br><br><u>Kapsul No. 1 Blue Opaque-Green Opaque</u><br><br><i>Berlaku untuk satu jenis barang</i>                                                                                                                                                                                                                                                                           | Rencana Waktu Penggunaan:<br><u>20 April 2026</u><br><br>Lead time Purchasing:<br><u>80 Hari Kerja</u>                                                                                                                                                                                                                                                                                         |                                                                                                                                                                       |
| Masa Waktu Pakai <u>s/d expired date (60 Bulan)</u>                                                                                                                                                                                                                                                                                                                                                  | Masa Frekuensi Pakai <u>Setiap kali trial</u>                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                       |
| <input checked="" type="checkbox"/> Permintaan Item Baru                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> Permintaan Kebutuhan Jadwal Kerja                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                       |
| <div> <input type="checkbox"/> Bahan Penunjang <input type="checkbox"/> Perlengkapan Listrik </div> <div> <input type="checkbox"/> Suku Cadang <input type="checkbox"/> Alat Tulis </div> <div> <input type="checkbox"/> Bahan Kebersihan <input type="checkbox"/> Hardware </div> <div> <input type="checkbox"/> Inkjet/Laserjet Print <input checked="" type="checkbox"/> <u>Bahan Baku</u> </div> | <div> <input type="checkbox"/> Innovator <input type="checkbox"/> Kalibrasi </div> <div> <input type="checkbox"/> Sample Bahan Kemasan <input type="checkbox"/> Perbaikan </div> <div> <input type="checkbox"/> Sample Bahan Baku <input type="checkbox"/> Marketing Promosi </div> <div> <input type="checkbox"/> Kualifikasi <input type="checkbox"/> _____ </div>                           |                                                                                                                                                                       |
| <b>SYARAT WAJIB PERMINTAAN BARU</b><br>1. Sertakan Foto Barang Baru.<br>2. Dibuat hanya sekali untuk awal mendaftarkan ke sistem QAD.<br>3. Pemesanan selanjutnya menggunakan Analisa Permintaan Barang dengan melampirkan hasil verifikasi stok fisik (kartu stok/bin card).                                                                                                                        | <b>SYARAT WAJIB PERMINTAAN JADWAL KERJA</b><br>1. Formulir Perbaikan (jika dibutuhkan).<br>2. Setiap pengajuan menyertakan jadwal/timetable.<br>3. Dibuat setiap mengajukan kebutuhan untuk memenuhi rencana jadwal kerja, sekalipun barang sudah terdaftar di sistem QAD.                                                                                                                     |                                                                                                                                                                       |
| Digunakan untuk                                                                                                                                                                                                                                                                                                                                                                                      | <u>Kapsul tersebut akan digunakan untuk pengembangan produk Duloxetine HCl Kapsul 60 mg</u>                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                       |
| Latar belakang permintaan                                                                                                                                                                                                                                                                                                                                                                            | <u>1. Terdapat pengembangan produk Duloxetine HCl Kapsul 60 mg dengan bahan baku berbentuk pellet sehingga dibutuhkan cangkang kapsul yang digunakan sebagai pelindung dari bahan baku tersebut</u><br><u>2. Pembelian kapsul ex. ACG tersebut dilakukan berdasarkan hasil trial filling di fasilitas produksi yang menunjukkan hasil lebih baik dari kapsul eksisting (Laporan terlampir)</u> |                                                                                                                                                                       |
| <input type="checkbox"/> Perlu Minimum Stock<br><i>Tentukan Reorder Point</i>                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                       |
| Dibuat:<br><br><u>Renova Noviarty S</u><br>Tgl. <u>20/01/2026</u><br><i>(Staf/Koord.)</i>                                                                                                                                                                                                                         | Diperiksa:<br><br><u>Ardian Wahyu</u><br>Tgl. <u>20/01/2026</u><br><i>(Koord./Spv/Ast. Mgr)</i>                                                                                                                                                                                                             | Menyetujui:<br><br>_____<br>Tgl. <u>20/01/2026</u><br><i>(Kepala Departemen)</i> |
| Nomor Dokumen : <u>COM-FPT/001A.00</u>                                                                                                                                                                                                                                                                                                                                                               | Tanggal Berlaku : <u>11 SEP 2023</u>                                                                                                                                                                                                                                                                                                                                                           | Disetujui oleh :                                                                 |

Bagian : R&D

**ANALISA PERMINTAAN BARANG**

Tanggal : 20 Januari 2026

| No | Kode Barang | Nama Barang                                    | Satuan | Stok Saat Ini<br>Saat Ini (A) | Rencana<br>Kebutuhan (B) | Kekurangan<br>(A -B + C) | Pending<br>Penerimaan (C) | Jumlah                   | Realisasi<br>Pembelian | Realisasi<br>Penggunaan |
|----|-------------|------------------------------------------------|--------|-------------------------------|--------------------------|--------------------------|---------------------------|--------------------------|------------------------|-------------------------|
| 1  | IBP00312    | Kapsul No. 1 Polos Blue<br>Opaque-Green Opaque | Pcs    | 0                             | 375,000 Pcs<br>20 Apr 26 | 375,000 Pcs              | -                         | 375,000 Pcs<br>20 Apr 26 | -                      | -                       |

Catatan :

1. Pembelian Kapsul tersebut akan digunakan pada pengembangan produk Doluxetine HCl Kapsul 60 mg
2. Pemilihan kapsul tersebut didasarkan pada hasil trial filling kapsul yang dilakukan pada fasilitas produksi
3. Warna Kapsul yang dibutuhkan adalah Blue Opaque untuk tutup kapsul dan Green Opaque untuk badan kapsul
4. Estimasi harga yang ditawarkan adalah Rp 33.5,-/ Pcs dengan MOQ sebesar 1,000,000 Pcs. Apabila pembelian dibawah MOQ dikenai biaya tambahan sebesar USD 500.00

## Ardian Wahyu Pradana

---

**From:** Kevin Richard Winardi <Kevin.Winardi@mersifarma.com>  
**Sent:** Monday, November 17, 2025 15:03  
**To:** Elvina\_Tanurahardja@mersifarma.com; 'Irene Intan Permata Murti'  
**Cc:** renova.sihite@mersifarma.com; Ardian\_Pradana@mersifarma.com; Anna.Agustianingsih@mersifarma.com; Juwita.Ristiani@mersifarma.com; Kristiana\_Nugraheni@mersifarma.com; Muhammad.Qoriba@mersifarma.com  
**Subject:** RE: Permintaan HArga kapsul ex ACG Duloxetine Pilot

Dear Bu Elvina

Selamat Siang

Izin jump in E-mail ini,

Terlampir data untuk Cangkang Kapsul Gelatin No.1 green opaque-blue opaque:

Harga : Rp. 33.5/PCS (+ Rp 1 untuk printing)

MoQ : 1.000.000 pcs / 8 Box

Pack size: 125.000 PCS/Box

Lt: 3-4 Bulan

Shelf Life : 5 Tahun (60 Bulan)

**Note:** Apabila PO/Pemesanan kurang dari MoQ akan dikenakan biaya tambahan sebesar USD 500.

Demikian disampaikan, Terima kasih atas bantuan dan kerjasamanya.

*Best Regards*

**Kevin Richard Winardi**

**BD Staff**



**Branch & Marketing Office**

Wisma Tiara 4<sup>th</sup> Floor

Jl. Raya Pasar Minggu Km. 18 No. 17,

Jakarta 12510, Indonesia

Tel : +62 21 7987683

Fax : +62 21 7987686

Mobile : +62 82293649268

Email : [Kevin.Winardi@mersifarma.com](mailto:Kevin.Winardi@mersifarma.com)

Company Email : [mersi.jkt@mersifarma.com](mailto:mersi.jkt@mersifarma.com)

Website : [www.mersifarma.com](http://www.mersifarma.com)

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**From:** [Elvina\\_Tanurahardja@mersifarma.com](mailto:Elvina_Tanurahardja@mersifarma.com) <[Elvina\\_Tanurahardja@mersifarma.com](mailto:Elvina_Tanurahardja@mersifarma.com)>

**Sent:** Monday, November 17, 2025 2:32 PM

**To:** 'Irene Intan Permata Murti' <[Irene\\_Murti@mersifarma.com](mailto:Irene_Murti@mersifarma.com)>

**Cc:** [renova.sihite@mersifarma.com](mailto:renova.sihite@mersifarma.com); [Ardian\\_Pradana@mersifarma.com](mailto:Ardian_Pradana@mersifarma.com); [Anna.Agustianingsih@mersifarma.com](mailto:Anna.Agustianingsih@mersifarma.com);

[Juwita.Ristiani@mersifarma.com](mailto:Juwita.Ristiani@mersifarma.com); [Kristiana\\_Nugraheni@mersifarma.com](mailto:Kristiana_Nugraheni@mersifarma.com); 'Kevin Richard Winardi'

<[Kevin.Winardi@mersifarma.com](mailto:Kevin.Winardi@mersifarma.com)>; [Muhammad.Qoriba@mersifarma.com](mailto:Muhammad.Qoriba@mersifarma.com)

**Subject:** Permintaan HArga kapsul ex ACG Duloxetine Pilot

Dear Mba Irene,

Berdasarkan hasil trial cangkang kapsul oleh tim produksi untuk kapsul yang waste terkecil adalah ex ACG. Sehingga mohon dapat diinformasikan terkait kapsul uk no 1 warna green opaque-blue opaque sebanyak 300.000 pcs ex ACG terkait lead time, harga sebelum kami ajukan e-spb.

Demikian kami sampaikan,terimakasih

Hormat Saya,

**Elvina Iskandar Tanurahardja**

**Manager Formulasi**

|  <b>mersi</b><br>PT. MERSIFARMA TM.<br>DIVISI MANUFACTURING<br>SUKABUMI-INDONESIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FORMULIR LAPORAN<br/> DEPARTEMEN PRODUKSI</b> | Halaman 1 dari 1<br>No. Formulir :<br>2PR00/FORMU/091.01<br>Tanggal : 15 Februari 2018                                                                                                                                                                                                                                                                                                                                                                 |               |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|--------------------|--|--------|---------------|---|----|---|--------|---|----|--------|--------|---|----|--------|--------|---|----|--------|--------|-----|-------------|-------------------|--|--------|---------------|---|----|------------|------------|---|----|------------|------------|---|----|------------|------------|---|----|------------|------------|
| Judul Laporan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Trial Cangkang Kapsul ex ECG Green-Blue          |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| Nama Pembuat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Faishal Ahmad Najib                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| Jabatan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Supervisor Produksi                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| Unit Produksi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| Seksi - Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Proses                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| Tanggal & Jam                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 06 Oktober 2025 / 15:00 WIB                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| <p><b>A Isi Laporan</b></p> <p>Trial cangkang kapsul ex ECG dilakukan untuk mengetahui kualitas cangkang kapsul dibandingkan dengan cangkang kapsul ex Kapsulindo</p> <p><b>B Bahan yang digunakan</b></p> <ol style="list-style-type: none"> <li>Cangkang Kapsul ex ECG</li> <li>Cangkang Kapsul ex Kapsulindo</li> </ol> <p><b>C Mesin yang digunakan :</b></p> <p>NJP 1200</p> <p><b>D Hasil Trial</b></p> <p>Trial filling kapsul menggunakan produk Lansoprazole menggunakan speed yang berbeda selama 1 menit yaitu speed 14, 15, 18 dan 20. Kemudian Hasil filling kapsul ditampung pada wadah terpisah sesuai kecepatan mesin yang digunakan. Hasil filling kapsul kemudian di sortir dan dibandingkan antara cangkang kapsul ex ECG dan ex Kapsulindo dengan data sebagai berikut :</p> <table border="1" data-bbox="529 1100 1133 1354"> <thead> <tr> <th rowspan="2">No.</th><th rowspan="2">Speed mesin</th><th colspan="2">Waste Hasil sortir</th></tr> <tr> <th>ex ECG</th><th>ex Kapsulindo</th></tr> </thead> <tbody> <tr> <td>1</td><td>14</td><td>-</td><td>4.98 g</td></tr> <tr> <td>2</td><td>15</td><td>0.88 g</td><td>2.63 g</td></tr> <tr> <td>3</td><td>18</td><td>1.38 g</td><td>2.30 g</td></tr> <tr> <td>4</td><td>20</td><td>1.79 g</td><td>1.77 g</td></tr> </tbody> </table> <table border="1" data-bbox="529 1373 1133 1625"> <thead> <tr> <th rowspan="2">No.</th><th rowspan="2">Speed mesin</th><th colspan="2">Pemeriksaan Bobot</th></tr> <tr> <th>ex ECG</th><th>ex Kapsulindo</th></tr> </thead> <tbody> <tr> <td>1</td><td>14</td><td>436-443 mg</td><td>431-445 mg</td></tr> <tr> <td>2</td><td>15</td><td>436-450 mg</td><td>430-453 mg</td></tr> <tr> <td>3</td><td>18</td><td>434-458 mg</td><td>426-453 mg</td></tr> <tr> <td>4</td><td>20</td><td>434-456 mg</td><td>427-444 mg</td></tr> </tbody> </table> <p><b>E Kesimpulan</b></p> <p>Berdasarkan hasil trial, waste cangkang kapsul ex ECG lebih sedikit dibandingkan dengan cangkang kapsul ex Kapsulindo, kemudian hasil pemeriksaan bobot kapsul selama proses filling kapsul ex ECG memenuhi spesifikasi yaitu 398.58-463.22 mg.</p> |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No.           | Speed mesin | Waste Hasil sortir |  | ex ECG | ex Kapsulindo | 1 | 14 | - | 4.98 g | 2 | 15 | 0.88 g | 2.63 g | 3 | 18 | 1.38 g | 2.30 g | 4 | 20 | 1.79 g | 1.77 g | No. | Speed mesin | Pemeriksaan Bobot |  | ex ECG | ex Kapsulindo | 1 | 14 | 436-443 mg | 431-445 mg | 2 | 15 | 436-450 mg | 430-453 mg | 3 | 18 | 434-458 mg | 426-453 mg | 4 | 20 | 434-456 mg | 427-444 mg |
| No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Speed mesin                                      | Waste Hasil sortir                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | ex ECG                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ex Kapsulindo |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 14                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4.98 g        |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 15                                               | 0.88 g                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.63 g        |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 18                                               | 1.38 g                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.30 g        |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20                                               | 1.79 g                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.77 g        |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Speed mesin                                      | Pemeriksaan Bobot                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | ex ECG                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ex Kapsulindo |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 14                                               | 436-443 mg                                                                                                                                                                                                                                                                                                                                                                                                                                             | 431-445 mg    |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 15                                               | 436-450 mg                                                                                                                                                                                                                                                                                                                                                                                                                                             | 430-453 mg    |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 18                                               | 434-458 mg                                                                                                                                                                                                                                                                                                                                                                                                                                             | 426-453 mg    |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20                                               | 434-456 mg                                                                                                                                                                                                                                                                                                                                                                                                                                             | 427-444 mg    |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |
| Pembuat Laporan,<br><br><br><u>Faishal Ahmad Najib</u><br>Production Supervisor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  | Mengetahui,<br><br><div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <br/> <u>Silvia Mentari Desky</u><br/> Asst.Manager Prod. </div> <div style="text-align: center;"> <br/> <u>Harisman</u><br/> Manager Produksi </div> </div> |               |             |                    |  |        |               |   |    |   |        |   |    |        |        |   |    |        |        |   |    |        |        |     |             |                   |  |        |               |   |    |            |            |   |    |            |            |   |    |            |            |   |    |            |            |

Date: 09/DEC/2025

## Shade &amp; Composition Approval of Hard Gelatin Capsule Shells

Brand Name: ACGcaps GR

Customer:

PT.Mersi Farma

Shade Reference Number: 8000016813

Size: 1

Suitable for registration of finished dosage form in : Indonesia

| Cap Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |                                                                                                                    |          |                          |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------|----------|--------------------------|------------|
| Color Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | : BLUE OPAQUE                     | Color Code                                                                                                         | : BL0876 | ( Old Color Code BL876 ) |            |
| Average Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | : 29.00 mg                        | Pantone Code                                                                                                       | : 2188 C |                          |            |
| Ingredients                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pharmacopeial Reference           | C.I. No.                                                                                                           | E.No     | Value (%)                | Value (mg) |
| Titanium Dioxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | USP+Ph.Eur+IP+21CFR+(EU) 231/2012 | 77891                                                                                                              | E 171    | 0.9750                   | 0.2827     |
| Indigo Carmine **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (EU) 231/2012                     | 73015                                                                                                              | E 132    | 0.5250                   | 0.1522     |
| Gelatin(USPNF+IP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                                                                                                                    |          | 83.92                    | 24.3369    |
| Purified Water(Ph.Eur+IP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |                                                                                                                    |          | 14.50                    | 4.2050     |
| Sodium Lauryl Sulphate(USPNF+Ph.Eur+IP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |                                                                                                                    |          | 0.08                     | 0.0232     |
| Body Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |                                                                                                                    |          |                          |            |
| Color Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | : GREEN OPAQUE                    | Color Code                                                                                                         | : -      |                          |            |
| Average Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | : 47.00 mg                        | Pantone Code                                                                                                       | : 5777 C |                          |            |
| Ingredients                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pharmacopeial Reference           | C.I. No.                                                                                                           | E.No     | Value (%)                | Value (mg) |
| Titanium Dioxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | USP+Ph.Eur+IP+21CFR+(EU) 231/2012 | 77891                                                                                                              | E 171    | 0.6338                   | 0.2978     |
| Indigo Carmine **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (EU) 231/2012                     | 73015                                                                                                              | E 132    | 0.0108                   | 0.0050     |
| Iron Oxide Yellow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | USPNF+21CFR+(EU) 231/2012         | 77492                                                                                                              | E 172    | 0.4560                   | 0.2143     |
| Gelatin(USPNF+IP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                                                                                                                    |          | 84.32                    | 39.6303    |
| Purified Water(Ph.Eur+IP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |                                                                                                                    |          | 14.50                    | 6.8150     |
| Sodium Lauryl Sulphate(USPNF+Ph.Eur+IP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |                                                                                                                    |          | 0.08                     | 0.0376     |
| <b>Remarks:</b><br>Only for color shade approval since size of attached capsules is different than required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |                                                                                                                    |          |                          |            |
| <b>Limitations:</b><br>1) This color shade specimen is prepared manually in the laboratory only for approval of color shade and composition.<br>2) Due to nature of raw materials, their sourcing and technology improvements, the dyestuff content data indicated are target values and actual values may vary.<br>3) The color cards were created in a laboratory setting. As a result, the final capsule color may have a slight variation due to scale-up and process parameters. To minimize fading of light-sensitive colors, it is advised to protect the color cards from light exposure and return them to their protective folder after use. If a repeat order occurs after a year, it is best to replace the reference cards.<br>Alternatively, it is recommended to keep retained samples from the last ACG batch in amber bottles protected from light for future reference instead of the color cards. |                                   |                                                                                                                    |          |                          |            |
| Note: The shell composition is evaluated and suitable for above mentioned countries. The same should be re-evaluated in the event of change in the applicable legislation and or extension to other countries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |                                                                                                                    |          |                          |            |
| <b>Approved by: Arun Pujari</b><br><b>Designation: Approver</b><br><b>Signature:</b><br>This document is digitally signed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   | Signature valid<br>Digitally Signed By:<br>DS ACG ASSOCIATED CAPSULES PRIVATE LIMITED 1<br>12/12/2025@05:00:30 UTC |          |                          |            |
| <b>Customer's approval</b><br>Signature and Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   | <b>Company Stamp</b>                                                                                               |          |                          |            |

Note: -COA ini hanya untuk persehuan warna (Terlampir persehuan MD)  
 - Mohon diberikan ulang COA pre-shipment

**MEMO DINAS Nomor : 007/R&D/MD/I/2026**

Tanggal : 07 Januari 2026  
Kepada : Marketing Divisi Mercury  
Dari : Departemen Research Development  
Tembusan : Direktur Utama  
Vice President  
Direktur Marketing  
Business Development  
Director of Product Development  
Perihal : Persetujuan Warna Duloxetine 60 Kapsul

Dengan hormat,

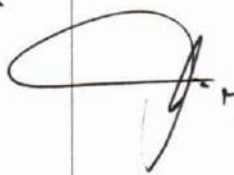
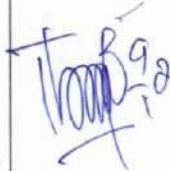
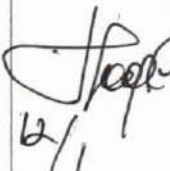
Sehubungan dengan adanya pengembangan OBM produk Duloxetine 60 Kapsul, bersama ini kami meminta persetujuan terkait warna kapsul sediaan produk Duloxetine Ex. ACG No. 1 warna Blue Opaque – Green Opaque serta sebagai pembandingan menggunakan Duloxta 60 dan Innovator Cymbalta secara agar lebih jelas.

Berikut visualisasi jika dibandingkan antara Kapsul. (Secara Fisik kami juga sertakan untuk perbandingan yang lebih jelas).

| <b>Cymbalta® 60</b>                                                                 | <b>Duloxta® 60</b>                                                                  | <b>Sampel Kapsul Ex. ACG<br/>( No. 1 Blue Opaque – Green Opaque)</b>                  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |

✓ ✓

Oleh karena itu, kami mohon agar Bapak/Ibu dapat memberikan persetujuan serta arahnya pada kolom yang telah kami sediakan berikut.

| No | Nama                                    | Persetujuan*)                                                                     |       | Arahan                                                                           | Tanda Tangan                                                                                     |
|----|-----------------------------------------|-----------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|    |                                         | Warna cangkang kapsul sampel Ex. ACG (No. 1 Blue Opaque – Green Opaque)           |       |                                                                                  |                                                                                                  |
|    |                                         | Ya                                                                                | Tidak |                                                                                  |                                                                                                  |
| 1. | Bpk Tirto Koesnadi<br>(Direktur Utama)  |  |       | warna capsule disetujui.                                                         |               |
| 2. | Bpk Matthew Yap<br>(Vice President)     | ✓                                                                                 |       | yes lanjut                                                                       | <br>13/1/25 |
| 3. | Bpk Dewo<br>(Marketing Director)        | ✓                                                                                 |       | Cek logo duloxda ada "H" apakah artinya ??<br>-Request Halal Capsul (sertifikat) | <br>13/1/25 |
| 4. | Bpk Bambang Suprijatno (Sales Director) | ✓                                                                                 |       | Setuju di lanjutkan                                                              | <br>12/1    |

| No | Nama                                                | Persetujuan*)                                                           |       | Arahan                                                                                                                                                                   | Tanda Tangan                                                                          |
|----|-----------------------------------------------------|-------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |                                                     | Warna cangkang kapsul sampel Ex. ACG (No. 1 Blue Opaque – Green Opaque) |       |                                                                                                                                                                          |                                                                                       |
|    |                                                     | Ya                                                                      | Tidak |                                                                                                                                                                          |                                                                                       |
| 5. | Ibu Kristiana Nugraheni (Business Development)      | ✓                                                                       |       | OK                                                                                                                                                                       |    |
| 6. | Ibu Anna Sophiana (Director of Product Development) | ✓                                                                       |       | Warna menyerupai duloxta existing.<br>Perhatikan MOA pembelian dan minta sampel serta kelengkapan doc. CoA, Halal sertifikat, dll, jadwalkan trial mesin filling capsule |  |

Keterangan:

\*) Berikan tanda ✓ pada kolom yang disetujui

Demikian hal ini kami sampaikan. Atas perhatian dan kerjasamanya kami ucapkan terima kasih.

Hormat kami,



Dwi Astuti & Renova  
Staff AD & FD

Menyetujui,



Juwita Ristiani  
Manager AD



Elvina Iskandar T  
Manager FD

Note: Staff penanggung jawab dalam memo dinas No. 007/R&D/MD/I/2026 adalah Dwi Astuti dan Renova.